

Claims

What is claimed is:

1. A method for providing voice message notification and retrieval functionality for a mobile client device in a communication system, the method comprising the step of:

5 generating push content deliverable from a server to the mobile client device over a wireless network, wherein the push content comprises a notification of at least one voice message received for a corresponding user in a voice messaging system;

 wherein a connection between the mobile client device and the voice messaging system is initiatable from the mobile client device, responsive to the push content, for retrieval of
10 the at least one received voice message.

2. The method of claim 1 wherein the push content is generated in the server responsive to information received in the server from an enterprise application.

15 3. The method of claim 2 wherein the enterprise application comprises an enterprise multimedia communication server.

 4. The method of claim 3 wherein the voice messaging system is coupled between the enterprise multimedia communication server and a private branch exchange element of the system.
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 5. The method of claim 3 wherein the voice messaging system upon receipt of the voice message generates an outgoing call to the private branch exchange element, the outgoing call comprising routing information and user identification information, the user identification information identifying the user corresponding to the received voice message.
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6. The method of claim 5 wherein the outgoing call is processed in the private branch exchange element in a manner that results in a connection being established between the voice

messaging system and the enterprise multimedia communication server, the user identification information thereby being made accessible to the enterprise multimedia communication server.

5 7. The method of claim 4 wherein at least a subset of the voice messaging system, the enterprise multimedia communication server and the private branch exchange element comprise elements of a communication system switch.

10 8. The method of claim 1 wherein the server comprises an enterprise multimedia communication server.

15 9. The method of claim 1 wherein the server comprises a wireless secure server.

10 10. The method of claim 9 wherein the wireless secure server communicates with the mobile client device utilizing wireless application protocol (WAP).

15 11. The method of claim 9 wherein the push content is deliverable from the wireless secure server to the mobile client device via a series connection of a push initiator and a push proxy gateway.

20 12. The method of claim 1 wherein the push content comprises at least one link which when activated at the mobile client device initiates a connection between the mobile client device and the voice messaging system.

25 13. The method of claim 12 wherein the at least one link comprises a live telephone link specifying at least a telephone number of the voice messaging system.

14. The method of claim 1 wherein the connection between the mobile client device and the voice messaging system is initiatable from the mobile client device utilizing a single-key operation.

15. The method of claim 1 wherein the push content is generated in the form of a service indication (SI) including at least one notification message and at least one corresponding link which when activated provides access to the voice messaging system from the mobile client device.

16. The method of claim 1 wherein the at least one received voice message comprises a plurality of received voice messages, the push content comprising a notification of each of the plurality of received voice messages.

17. The method of claim 16 wherein at least one of the plurality of received voice messages is associated with a first voice mailbox of the voice messaging system and one or more of the remaining received voice messages are associated with one or more other voice mailboxes of the voice messaging system.

18. The method of claim 16 wherein at least one of the plurality of received voice messages is associated with a first voice messaging system and one or more of the remaining received voice messages are associated with a second voice messaging system different than the first voice messaging system.

19. An apparatus for use in providing voice message notification and retrieval functionality for a mobile client device in a communication system, the apparatus comprising:

a server having a processor coupled to a memory;

the server being operative to generate push content deliverable to the mobile client device over a wireless network, wherein the push content comprises a notification of at least one voice message received for a corresponding user in a voice messaging system;

wherein a connection between the mobile client device and the voice messaging system is initiatable from the mobile client device, responsive to the push content, for retrieval of the at least one received voice message.

- 5 20. An article of manufacture comprising a machine-readable storage medium containing software code for use in providing voice message notification and retrieval functionality for a mobile client device in a communication system, wherein the software code when executed implements the step of:

10 generating push content deliverable from a server to the mobile client device over a wireless network, wherein the push content comprises a notification of at least one voice message received for a corresponding user in a voice messaging system;

 wherein a connection between the mobile client device and the voice messaging system is initiatable from the mobile client device, responsive to the push content, for retrieval of the at least one received voice message.